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=> s osteogen? and (n(w)methyl(w)pyrrolidone)
L1 8 OSTEOGEN? AND (N(W) METHYL(W) PYRROLIDONE)

=> d l1 1-8 ibib abs

L1 ANSWER 1 OF 8 USPATFULL
ACCESSION NUMBER: 2002:171976 USPATFULL
TITLE: Electroprocessed collagen
INVENTOR(S): Simpson, David G., Mechanicsville, VA, UNITED STATES
Bowlin, Gary L., Mechanicsville, VA, UNITED STATES
Wnek, Gary E., Midlothian, VA, UNITED STATES
Stevens, Peter J., N. Richland Hills, TX, UNITED STATES
Carr, Marcus E., Midlothian, VA, UNITED STATES

Matthews, Jamil A., Glen Allen, VA, UNITED STATES
Rajendran, Saravanamoorthy, Branford, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090725	A1	20020711
APPLICATION INFO.:	US 2001-991373	A1	20011116 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-714255, filed on 17 Nov 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-270118P	20010222 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	JOHN S. PRATT, ESQ, KILPATRICK STOCKTON, LLP, 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	4536	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is directed to formation and use of electroprocessed collagen, including use as an extracellular matrix and, together with cells, its use in forming engineered tissue. The engineered tissue can include the synthetic manufacture of specific organs or tissues which may be implanted into a recipient. The electroprocessed collagen may also be combined with other molecules in order to deliver substances to the site of application or implantation of the electroprocessed collagen. The collagen or collagen/cell suspension is electrodeposited onto a substrate to form tissues and organs.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 2 OF 8 USPATFULL

ACCESSION NUMBER: 1999:96274 USPATFULL
TITLE: Hyaluronan based biodegradable scaffolds for tissue repair
INVENTOR(S): Valentini, Robert F., Cranston, RI, United States
Kim, Hyun D., Providence, RI, United States
PATENT ASSIGNEE(S): Brown University, Providence, RI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5939323		19990817
APPLICATION INFO.:	US 1997-864709		19970528 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-18492P	19960528 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Witz, Jean C.	
ASSISTANT EXAMINER:	Hanley, Susan	
LEGAL REPRESENTATIVE:	Wolf, Greenfield & Sacks, P.C.	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	848	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A hyaluronic acid derivitized scaffold and method of forming are

disclosed. The scaffolds are useful for various medical purposes such as tissue repair, tissue reconstruction and wound healing. In order to enhance these processes the scaffolds may be engineered to incorporate biologically active molecules such as BMP.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 3 OF 8 USPATFULL

ACCESSION NUMBER: 1998:75611 USPATFULL
TITLE: Tartronic acids, their acetalic ethers and o-esters
INVENTOR(S): Gandolfi, Carmelo A., Milan, Italy
Cotini, Lorella, Milan, Italy
Mantovanini, Marco, Milan, Italy
Caselli, Gianfranco, Milan, Italy
Clavenna, Gaetano, Milan, Italy
Omini, Claudio, Milan, Italy
PATENT ASSIGNEE(S): Dompe Farmaceutici S.p.A., Milan, Italy (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5773465		19980630
APPLICATION INFO.:	US 1997-814903		19970312 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-424471, filed on 23 May 1995, now patented, Pat. No. US 5656656		

	NUMBER	DATE
PRIORITY INFORMATION:	IT 1992-MI2533	19921105
	IT 1993-MI1330	19930621
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Dees, Jose G.	
ASSISTANT EXAMINER:	Stockton, Laura L.	
LEGAL REPRESENTATIVE:	Griffin, Butler Whisenhunt & Szapl	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1453	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Tartronic acid acetalic ethers and esters of the general formula:
##STR1## are provided and are useful in treatment of bone dysmetabolism.
As examples, Ra and Rb may be hydrogen, B is a C.sub.2 -C.sub.12 acyl group, R is phenyl and n is 0-12.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 4 OF 8 USPATFULL

ACCESSION NUMBER: 97:71090 USPATFULL
TITLE: Tartronic acids, their acetalic ethers and O-esters
INVENTOR(S): Gandolfi, Carmelo A., Milan, Italy
Cotini, Lorella, Milan, Italy
Mantovanini, Marco, Milan, Italy
Caselli, Gianfranco, Milan, Italy
Clavenna, Gaetano, Milan, Italy
Omini, Claudio, Milan, Italy
PATENT ASSIGNEE(S): Dompe Farmaceutici S.p.A., Milan, Italy (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5656656		19970812
	WO 9410127		19940511

APPLICATION INFO.: US 1995-424471 19950523 (8)
 WO 1993-EP2941 19931025
 19950523 PCT 371 date
 19950523 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	IT 1992-MI2533	19921105
	IT 1993-MI1330	19930621
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Richter, Johann	
ASSISTANT EXAMINER:	Stockton, Laura L.	
LEGAL REPRESENTATIVE:	Griffin, Butler, Whisenhunt & Kurtossy	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1447	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Tartronic acid acetalic ethers and esters of the general formula:
 ##STR1## are provided and are useful in treatment of bone dysmetabolism.
 As examples, Ra and Rb may be hydrogen, B is a C.sub.2 -C.sub.12 acyl
 group, R is phenyl and n is 0-12.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 5 OF 8 USPATFULL

ACCESSION NUMBER: 92:29712 USPATFULL
 TITLE: Platinum(II) complexes, their preparation and use as
 anti-tumor agents
 INVENTOR(S): Spinelli, Silvano, Milan, Italy
 Pasini, Alessandro, Milan, Italy
 Menta, Ernesto, Milan, Italy
 Zunino, Franco, Milan, Italy
 Tognella, Sergio, Milan, Italy
 PATENT ASSIGNEE(S): Boehringer Mannheim Italia S.p.A., Milan, Italy
 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5104895		19920414
	WO 8909218		19891005
APPLICATION INFO.:	US 1990-585118		19901105 (7)
	WO 1989-EP330		1989 25
			19901105 PCT 371 date
			19901105 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	IT 1988-20074	19880401
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Shen, Cecilia	
LEGAL REPRESENTATIVE:	Nikaido, Marmelstein, Murray & Oram	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1058	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds of formula I ##STR1## wherein R.sub.1 and R.sub.2, that can be
 the same or different, are hydrogen, alkyl, aryl, aralkyl groups or, if
 taken together, cycloalkyl groups;

A is a carbon atom, a residue of 2,3-dioxybutandioic-2,4-dioxyphthalic

acid or disubstituted malonic acid derivatives;

n.sub.1 and n.sub.2 are selected in such a manner that the result of their addition is from 2 to 40;

T.sub.1 and T.sub.2 that can be the same or different, are hydrogen, alkyl, benzyl, phenyl, acyl or cycloalkyl or a residue of formulae
##STR2## Compounds I are useful as anti-tumor agents in human therapy.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 6 OF 8 EUROPATFULL COPYRIGHT 2003 WILA

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 667850 EUROPATFULL EW 199722 FS PS
TITLE: TARTRONIC ACIDS, THEIR ACETALIC ETHERS AND O-ESTERS.
TARTRONSAeURE, DEREN ACETALISCHE AeTHER UND-O-ESTER.
ACIDES TARTRONIQUES, LEURS ETHERS ACETALIQUES ET
O-ESTERS.
INVENTOR(S): GANDOLFI, Carmelo, A., Via S. Martino, 12-12/A, I-20122
Milano, IT;
COTINI, Lorella, Via S. Martino, 12-12/A, I-20122
Milano, IT;
MANTOVANINI, Marco, Via S. Martino, 12-12/A, I-20122
Milano, IT;
CASELLI, Gianfranco, Via S. Martino, 12-12/A, I-20122
Milano, IT;
CLAVENNA, Gaetano, Via S. Martino, 12-12/A, I-20122
Milano, IT;
OMINI, Claudio, Via S. Martino, 12-12/A, I-20122 Milano,
IT
PATENT ASSIGNEE(S): DOMPE FARMACEUTICI S.P.A., Via S. Martino, 12-12/A,
I-20122 Milano, IT
PATENT ASSIGNEE NO: 1688080
AGENT: Bianchetti, Giuseppe, Studio Consulenza Brevettuale, Via
Rossini, 8, 20122 Milano, IT
AGENT NUMBER: 40211
OTHER SOURCE: EPB1997036 EP 0667850 B1 970528
SOURCE: Wila-EPS-1997-H22-T1
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R
IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE
PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale
Anmeldung)
PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 667850	B1 19970528
'OFFENLEGUNGS' DATE:		19950823
APPLICATION INFO.:	EP 1993-923543	19931025
PRIORITY APPLN. INFO.:	IT 1992-MI922533	19921105
	IT 1993-MI931330	19930621
RELATED DOC. INFO.:	WO 93-EP2941	931025 INTAKZ
	WO 9410127	940511 INTPNR
REF. NON-PATENT-LIT.:	CHEMICAL ABSTRACTS, vol. 115, no. 21, 1991, Columbus, Ohio, US; abstract no. 232008e, J.JURCZAK ET AL. 'THE HIGH PRESSURE REACTION OF 2,5-DIMETHYLFURAN WITH ACTIVATED CARBONYL COMPOUNDS.' page 924; & BULL. POL. ACAD. SCI. CHEM. vol. 37, no. 7-8, 1989, WARSAW pages 317 - 322 TETRAHEDRON LETTERS vol. 25, no. 50, 1985,	

OXFORD GB pages 5747 - 5750 G.GENNER ET AL. 'REACTIONS OF FURANS, THIOPHENES AND PYRROLES WITH ACTIVATED CARBONYL COMPOUNDS UNDER THERMAL AND HIGH PRESSURE CONDITIONS.' CHEMICAL ABSTRACTS, vol. 72, no. 9, 1970, Columbus, Ohio, US; abstract no. 42684t, J.GRANDJEAN 'TARTRONIC ACIDS' page 352; & BULL. SOC. ROY. SCI. LIEGE vol. 38, no. 5-6, 1969, BEL. pages 288 - 292 BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN vol. 48, no. 1, 1975, TOKYO JP pages 277 - 280 CH. PAC ET AL. 'BENZOYL PEROXIDE- AND PHOTO-INDUCED REACTIONS OF DIETHYL MESOXALATE IN CYCLOHEXANE AND TOLUENE.' CHEMICAL ABSTRACTS, vol. 51, no. 10, 1957, Columbus, Ohio, US; abstract no. 12085g, E. MIKHLINA ET AL. 'SYNTHESIS OF 3-METHYL-2-QUINUCLIDINECARBOXYLIC ACID.' & ZHUR. OBSHCHEI KHIM. vol. 27, 1957, MOSCOW pages 77 - 83 TETRAHEDRON LETTERS vol. 30, no. 10, 1989, OXFORD GB pages 1289 - 1292 A.CITTERIO ET AL. 'OXIDATIVE DEPROTONATION OF CARBONYL COMPOUNDS BY FE(III)SALTS.' TETRAHEDRON, (INCL. TETRAHEDRON REPORTS) vol. 25, no. 20, 1969, OXFORD GB pages 4967 - 4981 J.CHOTTARD ET AL. 'CYCLISATION RADICALAIRES.XII.' LIEBIGS ANNALEN DER CHEMIE vol. 2, 1990, WEINHEIM DE pages 181 - 183 J.KAWABATA ET AL. 'ELECTROCHEMICAL HYDROXYLATION OF ACTIVE METHINE COMPOUNDS.' CHEMICAL ABSTRACTS, vol. 85, no. 24, 1976, Columbus, Ohio, US; abstract no. 179401m, Y.ABE ET AL. 'DIBASIC ACIDS CONTAINING ETHER LINKAGES.' page 102; & YUKAGAKU vol. 25, no. 9, 1976, JAPAN pages 541 - 545

L1 ANSWER 7 OF 8 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER:	448726	EUROPATFULL	EW 199140	FS OS	STA B
TITLE:	2-SUBSTITUTED 2-CYCLOPENTENONE AND CARCINOSTATIC AGENT AND OSTEOGENESIS PROMOTER CONTAINING THE SAME AS ACTIVE INGREDIENT. 2-SUBSTITUIERTE-2-CYCLOPENTENONE UND DIESE ALS AKTIVE SUBSTANZEN ENTHALTENDE CARCINOSTATIKA UND OSTEOGENESIS -PROMOTER. 2-CYCLOPENTENONE SUBSTITUE EN 2 ET AGENT CARCINOSTATIQUE ET STIMULATEUR D' OSTEOGENESE LE CONTENANT EN TANT QU'INGREDIENT ACTIF.				
INVENTOR(S):	SUGIURA, Satoshi, 3-5-18, Tamadaira, Hino-shi Tokyo 191, JP; MINOSHIMA, Toru, 3-5-18, Tamadaira, Hino-shi Tokyo 191, JP; HAZATO, Atsuo, 3-18-4, Tamadaira, Hino-shi Tokyo 191, JP; KATO, Yoshinori, 7-25-11, Tamadaira, Hino-shi Tokyo 191, JP				
PATENT ASSIGNEE(S):	TEIJIN LIMITED, 6-7, Minamihonmachi 1-chome Chuo-ku, Osaka-shi Osaka 541, JP				
PATENT ASSIGNEE NO:	212524				
AGENT:	Votier, Sidney David et al, CARPMAELS & RANSFORD 43, Bloomsbury Square, London WC1A 2RA, GB				
AGENT NUMBER:	37081				
OTHER SOURCE:	ESP1991072 EP 0448726 A1 911002				
SOURCE:	Wila-EPZ-1991-H40-T1				
DOCUMENT TYPE:	Patent				
LANGUAGE:	Anmeldung in Japanisch; Veroeffentlichung in Englisch; Verfahren in Englisch				

DESIGNATED STATES: R CH; R DE; R FR; R GB; R IT; R LI; R NL; R SE
PATENT INFO.PUB.TYPE: EPA1 EUROPAEISCHE PATENTANMELDUNG (Internationale
Anmeldung)

PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 448726	A1 19911002
'OFFENLEGUNGS' DATE:		19911002
APPLICATION INFO.:	EP 1990-915190	19901018
PRIORITY APPLN. INFO.:	JP 1989-272296	19891019
RELATED DOC. INFO.:	WO 90-JP1343	901018 INTAKZ
	WO 9105766	910502 INTPNR

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 448726 EUROPATFULL EW 199617 FS PS
TITLE: 2-SUBSTITUTED 2-CYCLOPENTENONE AND CARCINOSTATIC AGENT
AND **OSTEOGENESIS** PROMOTER CONTAINING THE SAME
AS ACTIVE INGREDIENT.
2-SUBSTITUIERTE-2-CYCLOPENTENONE UND DIESE ALS AKTIVE
SUBSTANZEN ENTHALTENDE CARCINOSTATIKA UND
OSTEOGENESIS-PROMOTER.
2-CYCLPENTENONE SUBSTITUE EN 2 ET AGENT CARCINOSTATIQUE
ET STIMULATEUR D'**OSTEOGENESE** LE CONTENANT EN
TANT QU'INGREDIENT ACTIF.
INVENTOR(S): SUGIURA, Satoshi, 3-5-18, Tamadaira, Hino-shi Tokyo 191,
JP;
MINOSHIMA, Toru, 3-5-18, Tamadaira, Hino-shi Tokyo 191,
JP;
HAZATO, Atsuo, 3-18-4, Tamadaira, Hino-shi Tokyo 191,
JP;
KATO, Yoshinori, 7-25-11, Tamadaira, Hino-shi Tokyo 191,
JP
PATENT ASSIGNEE(S): TEIJIN LIMITED, 6-7, Minamihonmachi 1-chome Chuo-ku,
Osaka-shi Osaka 541, JP
PATENT ASSIGNEE NO: 212524
AGENT: Votier, Sidney David et al, CARPMAELS & RANSFORD 43,
Bloomsbury Square, London WC1A 2RA, GB
AGENT NUMBER: 37081
OTHER SOURCE: EPB1996028 EP 0448726 B1 960424
SOURCE: Wila-EPS-1996-H17-T1
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Japanisch; Veroeffentlichung in Englisch;
Verfahren in Englisch
DESIGNATED STATES: R CH; R DE; R FR; R GB; R IT; R LI; R NL; R SE
PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale
Anmeldung)

PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 448726	B1 19960424
'OFFENLEGUNGS' DATE:		19911002
APPLICATION INFO.:	EP 1990-915190	19901018
PRIORITY APPLN. INFO.:	JP 1989-272296	19891019
RELATED DOC. INFO.:	WO 90-JP1343	901018 INTAKZ
	WO 9105766	910502 INTPNR
REFERENCE PAT. INFO.:	EP 131441 A	FR 2357542 A
	JP 2275849 A	JP 58109468 A
REF. NON-PATENT-LIT.:	CHEMISTRY LETTERS, 1977, pages 331-334, Chemical Society of Japan; S. KUROZUMI et al.: "Synthesis of e-type 7-thiaprostaglandins" Chemical and Pharmaceutical Bulletin, Vol. 33, No. 7, (1985), KATSUhide MATOBA et	

al. (Reduction of Vinylogous Thioesters with Lithium Aluminum Hydride. II.), p. 3001-3005 Particularly, refer to compound Vb on page 3002. Slides used during the presentation associated with preprint on page 117 of the 109th Annual Meeting of the Pharmaceutical Society of Japan

L1 ANSWER 8 OF 8 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 341409 EUROPATFULL EW 198946 FS OS STA B
TITLE: Platinum (II) complexes, their preparation and use as antitumour agents.
Platin(II)-Komplexe, Verfahren zu ihrer Herstellung und Anwendung als Antitumormittel.
Complexes de platine (II), procede pour leur preparation et utilisation comme agent antitumeur.
INVENTOR(S): Spinelli, Silvano, Via S. Uguzzone, 5, I-20126 Milano, IT;
Menta, Ernesto, Via S. Uguzzone, 5, I-20126 Milano, IT;
Pasini, Alessandro, Via S. Uguzzone, 5, I-20126 Milano, IT;
Zunino, Franco, Via S. Uguzzone, 5, I-20126 Milano, IT;
Tognella, Sergio, Via S. Uguzzone, 5, I-20126 Milano, IT
PATENT ASSIGNEE(S): BOEHRINGER BIOCHEMIA ROBIN S.p.A., Via S. Uguzzone, 5, I-20126 Milan, IT
PATENT ASSIGNEE NO: 649600
AGENT: Minoja, Fabrizio, Studio Consulenza Brevettuale Via Rossini, 8, I-20122 Milano, IT
AGENT NUMBER: 55961
OTHER SOURCE: ESP1989048 EP 0341409 A1 891115
SOURCE: Wila-EPZ-1989-H46-T1
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R ES; R GR
PATENT INFO.PUB.TYPE: EPA1 EUROPAEISCHE PATENTANMELDUNG
PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 341409	A1 19891115
'OFFENLEGUNGS' DATE:		19891115
APPLICATION INFO.:	EP 1989-105369	19890325
PRIORITY APPLN. INFO.:	IT 1988-20074	19880401

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 341409 EUROPATFULL EW 199352 FS PS STA B
TITLE: Platinum (II) complexes, their preparation and use as antitumour agents.
Platin(II)-Komplexe, Verfahren zu ihrer Herstellung und Anwendung als Antitumormittel.
Complexes de platine (II), procede pour leur preparation et utilisation comme agent antitumeur.
INVENTOR(S): Spinelli, Silvano, Via S. Uguzzone, 5, I-20126 Milano, IT;
Menta, Ernesto, Via S. Uguzzone, 5, I-20126 Milano, IT;
Pasini, Alessandro, Via S. Uguzzone, 5, I-20126 Milano, IT;
Zunino, Franco, Via S. Uguzzone, 5, I-20126 Milano, IT;
Tognella, Sergio, Via S. Uguzzone, 5, I-20126 Milano, IT
PATENT ASSIGNEE(S): BOEHRINGER MANNHEIM ITALIA S.P.A., Via S. Uguzzone, 5,

I-20126 Milano, IT
 PATENT ASSIGNEE NO: 649602
 AGENT: Weber, Manfred, Dr., c/o Boehringer Mannheim GmbH,
 Patentabteilung, Sandhoferstrasse 116, D-68298 Mannheim,
 DE
 AGENT NUMBER: 47231
 OTHER SOURCE: EPB1993073 EP 0341409 B1 931229
 SOURCE: Wila-EPS-1993-H52-T1
 DOCUMENT TYPE: Patent
 LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
 DESIGNATED STATES: R AT; R BE; R CH; R DE; R ES; R FR; R GB; R GR; R IT; R
 LI; R LU; R NL; R SE
 PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT
 PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 341409	B1 19931229
'OFFENLEGUNGS' DATE:		19891115
APPLICATION INFO.:	EP 1989-105369	19890325
PRIORITY APPLN. INFO.:	IT 1988-20074	19880401
REFERENCE PAT. INFO.:	EP 174542 A	DE 3630497 A

=> s (resorb? or biodegrad?) and polymer# and implant?
 L2 13952 (RESORB? OR BIODEGRAD?) AND POLYMER# AND IMPLANT?

=> s l2 and (polyglycol? or polylact? or polycaprolact? or polytrimethylenecarbon?
 or polyhydroxybutyr? or polyhydroxvaler? or polyorthocarb? or (polyalkylene oxal?)
 or (polyalkylene succin/))
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 For a list of field codes for the current file, enter "HELP SFIELDS"
 at an arrow prompt (=>).

=> s l2 and (polyglycol? or polylact? or polycaprolact? or polytrimethylenecarbon?
 or polyhydroxybutyr? or polyhydroxvaler? or polyorthocarb? or (polyalkylene oxal?)
 or (polyalkylene succin))
 <-----User Break----->

SEARCH ENDED BY USER
 SEARCH ENDED BY USER

=> s l2 and (polyglycol? or polylact? or polycaprolact? or polytrimethylenecarbon?
 or polyhydroxybutyr? or polyhydroxvaler? or polyorthocarb? or (polyalkylene oxal?)
 or (polyalkylene succin?))
 L3 7231 L2 AND (POLYGLYCOL? OR POLYLACT? OR POLYCAPROLACT? OR POLYTRIME
 THYLENOCARBON? OR POLYHYDROXYBUTYR? OR POLYHYDROXVALER? OR POLYO
 RTHOCARB? OR (POLYALKYLENE OXAL?) OR (POLYALKYLENE SUCCIN?))

=> s l3 and (poly(mal?) or polyamide# or polyanhydride# or polyurethane# or
 polyphosphazene# or polycyanoacrylate# or polyfunar? or poly(w)(amino acid#) or
 (modified polysaccharide#) or (modified protein#))
 MISSING OPERATOR 'POLY(MAL?)'
 The search profile that was entered contains terms or
 nested terms that are not separated by a logical operator.

=> s l3 and (poly(w)(mal?) or polyamide# or polyanhydride# or polyurethane# or
 polyphosphazene# or polycyanoacrylate# or polyfunar? or poly(w)(amino acid#) or
 (modified polysaccharide#) or (modified protein#))

2 FILES SEARCHED...

5 FILES SEARCHED...

L4 3711 L3 AND (POLY(W) (MAL?) OR POLYAMIDE# OR POLYANHYDRIDE# OR POLYUR
ETHANE# OR POLYPHOSPHAZENE# OR POLYCYANOACRYLATE# OR POLYFUNAR?
OR POLY(W) (AMINO ACID#) OR (MODIFIED POLYSACCHARIDE#) OR (MODIFI
ED PROTEIN#))

=> s l4 and (NMP or (n(w)methyl(w)pyrrolidone)

UNMATCHED LEFT PARENTHESIS 'AND (NMP'

The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s l4 and (NMP or (n(w)methyl(w)pyrrolidone))

L5 188 L4 AND (NMP OR (N(W) METHYL(W) PYRROLIDONE))

=> s l5 and implant?

L6 188 L5 AND IMPLANT?

=> s l6 and osteogen?

L7 5 L6 AND OSTEOGEN?

=> d l7 1-5 ibib abs

L7 ANSWER 1 OF 5 USPATFULL

ACCESSION NUMBER: 2002:171976 USPATFULL

TITLE: Electroprocessed collagen

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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090725	A1	20020711
APPLICATION INFO.:	US 2001-991373	A1	20011116 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-714255, filed on 17 Nov 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-270118P	20010222 (60)
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LEGAL REPRESENTATIVE:	JOHN S. PRATT, ESQ, KILPATRICK STOCKTON, LLP, 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	4536	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is directed to formation and use of electroprocessed
collagen, including use as an extracellular matrix and, together with
cells, its use in forming engineered tissue. The engineered tissue can
include the synthetic manufacture of specific organs or tissues which
may be **implanted** into a recipient. The electroprocessed
collagen may also be combined with other molecules in order to deliver
substances to the site of application or **implantation** of the
electroprocessed collagen. The collagen or collagen/cell suspension is
electrodeposited onto a substrate to form tissues and organs.